

PATENT APPLICATION

**DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION**

ATTORNEY DOCKET NO. 200311054-1

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

MEMORY STACK ARCHITECTURE FOR REDUCED TLB MISSES

the specification of which is attached hereto unless the following box is checked:

was filed on _____ as US Application No. or PCT International Application
Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES: _____ NO: _____
			YES: _____ NO: _____

Provisional Application

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION NUMBER	FILED DATE

U. S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION NUMBER	FILED DATE	STATUS (patented/pending/abandoned)

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Customer Number **022879**

Place Customer
Number Bar Code
Label here

Send Correspondence to:
HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, Colorado 80527-2400

Direct Telephone Calls To:

David M. Mason
(408) 447-4048

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: **Christopher Philip Ruemmler** Citizenship: **US**

Residence: **515 Calle Siena, Morgan Hill, California 95037**

Post Office Address: **Same as residential address**

Inventor's Signature

9-12-2003

Date

**DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION (continued)**

ATTORNEY DOCKET NO. 200311054-1

Full Name of # 2 joint inventor:	Fani A. Pavlova	Citizenship:	US
Residence:	734 Santa Rita Street, Sunnyvale, California 94085		
Post Office Address:	same as residential address		
Inventor's Signature	Date		
Full Name of # 3 joint inventor:			
Residence:			
Post Office Address:			
Inventor's Signature	Date		
Full Name of # 4 joint inventor:			
Residence:			
Post Office Address:			
Inventor's Signature	Date		
Full Name of # 5 joint inventor:			
Residence:			
Post Office Address:			
Inventor's Signature	Date		
Full Name of # 6 joint inventor:			
Residence:			
Post Office Address:			
Inventor's Signature	Date		
Full Name of # 7 joint inventor:			
Residence:			
Post Office Address:			
Inventor's Signature	Date		
Full Name of # 8 joint inventor:			
Residence:			
Post Office Address:			
Inventor's Signature	Date		

PATENT APPLICATION

DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATIONATTORNEY DOCKET NO. 200311054-1

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the specification of which is attached hereto unless the following box is checked:

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Number _____ and was amended on _____ (if applicable).

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Foreign Application(s) and/or Claim of Foreign Priority

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COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES: _____ NO: _____
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Provisional Application

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APPLICATION NUMBER	FILING DATE

U. S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.58(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION NUMBER	FILING DATE	STATUS (patented/pending/abandoned)

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Customer Number 022879Place Customer
Number Bar Code
Label here

Send Correspondence to: HEWLETT-PACKARD COMPANY Intellectual Property Administration P.O. Box 272400 Fort Collins, Colorado 80527-2400	Direct Telephone Calls To: David M. Mason (408) 447-4048
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Full Name of Inventor: Christopher Philip Ruemmler Citizenship: USResidence: 515 Calle Siena, Morgan Hill, California 95037Post Office Address: same as residential address

Inventor's Signature

Date

**DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION (continued)**

ATTORNEY DOCKET NO. 200311054-1

Full Name of # 2 joint inventor: <u>Fani A. Pavlova</u>	Citizenship: <u>US</u>
Residence: <u>734 Santa Rita Street, Sunnyvale, California 94085</u>	
Post Office Address: <u>same as residential address</u>	
<u>Fani Pavlova</u> Inventor's Signature	<u>09/11/03</u> Date
Full Name of # 3 joint inventor:	Citizenship:
Residence:	
Post Office Address:	
<u>Inventor's Signature</u>	Date
Full Name of # 4 joint inventor:	Citizenship:
Residence:	
Post Office Address:	
<u>Inventor's Signature</u>	Date
Full Name of # 5 joint inventor:	Citizenship:
Residence:	
Post Office Address:	
<u>Inventor's Signature</u>	Date
Full Name of # 6 joint inventor:	Citizenship:
Residence:	
Post Office Address:	
<u>Inventor's Signature</u>	Date
Full Name of # 7 joint inventor:	Citizenship:
Residence:	
Post Office Address:	
<u>Inventor's Signature</u>	Date
Full Name of # 8 joint Inventor:	Citizenship:
Residence:	
Post Office Address:	
<u>Inventor's Signature</u>	Date